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10 RESERVED 3 MAY 2002

SEQUENCE LISTING

1210> IZUI, MASAKO SUGIMOTO, MASAKAZU KURAHASHI, OSAMU NAKAMATSU, TSUYOSHI DNA ENCODING SUCROSE PTS ENZYME II <120> 21**7**677US0PCT <130> <140> US 10/019,284 2002-01-02 <141> JP 11-**1**89512 <150> 1999-07-02 <151> <160> 31 PatentIn vertion 3.1 <170> <210> 1 <211> 5969 Brevibacterium lactofermentum <220> CDS <221> (3779)..(5761) <222> <223>

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Leu Arg Trp Pro Phe Tyr Ile Gly Ile Gly Thr Ala Ala Ile Gly Gly 65 70 75 80

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Ala Tyr Gly Leu Tyr Leu Val Arg Arg Asn Gly Ser Ile Asp Pro Asp 130 140

Ala Thr Ala Ala Pro Val Pro Ala Gly Thr Thr Lys Ala Glu Ala Glu 145 150 155 160

Ala Pro Ala Glu Phe Ser Asn Asp Ser Thr Ile Ile Gln Ala Pro Leu 165 170 175

Thr Gly Glu Ala Ile Ala Leu Ser Ser Val Ser Asp Ala Met Phe Ala 180 185 190

Ser Gly Lys Leu Gly Ser Gly Val Ala Ile Val Pro Thr Lys Gly Gln 195 200 205

Leu Val Ser Pro Val Ser Gly Lys Ile Val Val Ala Phe Pro Ser Gly 210 220

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245 Phe Asn Pro Leu Lys Lys Gln Gly Asp Glu Val Lys Ala Gly Glu Leu 265 260 Leu Cys Glu Phe Asp Ile Asp Ala Ile Lys Ala Ala Gly Tyr Glu Val 280 275 Thr Thr Pro Ile Val Val Ser Asn Tyr Lys Lys Thr Gly Pro Val Asn 295 290 Thr Tyr Gly Leu Gly Glu Ile Glu Ala Gly Ala Asn Leu Leu Asn Val 310 Ala Lys Lys Glu Ala Val Pro Ala Thr Pro 325 <210> 13 <211> 44 <212> DNA <213> ARTIFICIAL SEQUENCE <220> <223> SYNTHETIC DNA <400> 13 44 gtacatattg tegttagaac gegtaataeg aeteaetata ggga <210> 14 <211> 47 <212> DNA <213> ARTIFICIAL SEQUENCE <220> <223> SYNTHETIC DNA <400> 14 gtacatattg tcgttagaac gcgtaatacg actcactata gggagag 47 <210> 15 <211> 46 <212> DNA <213> ARTIFICIAL SEQUENCE <220>

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